BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER
YELAHANKA DIVISION

MASUREMENT SHEETS

1st and Final Bill

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Job Code: 001-20-000037

Name of Agency: Sri.H V Omkarappa

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and struction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	1							
Item Name:	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Foundation		3	1.00	1.00	1.20	3.60	
	Total Quantity					3.60	Cum
	Quantity Carried to Summary					3.60	Cum

CRFC

12-09-21

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and struction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	2							
Item Name:	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Foundation		3	1.00	1.00	0.20	0.60	C&RC
	Total Quantity					0.60	Cum
	Quantity Carried to Summary					0.60	Cum

13-04-21

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and nstruction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	3							
Item Name:	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Foundation		6	1.00	1.00	1.00	6.00	
		2	15.00	0.50	0.20	3.00	
	Total Quantity					9.00	Cum
	Quantity Carried to Summary					9.00	Cum

14-04-21

Asst Engineer
Ward No.01
BBMP

Asst Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and struction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	7							
Item Name:	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For Truss Work			2	14.00	11.00	308.00	
			2	25.00	4.50	225.00	
			2	12.00	4.50	108.00	
	Total Quantity					641.00	Sqm
	Quantity Carried to Summary					641.00	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	9							
Item Name:	KSRRB M2100 PCC 1 KSRRB M2100-10. Plain cement concrete M10 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For GYM Area							
	For Kerb	1	30.00	0.20	0.10	0.60	
		1	14.00	0.20	0.10	0.28	
	For Flooring	1	12.00	10.00	0.15	18.00	
	Total Quantity					**18.88**	**Cum**
	Quantity Carried to Summary					**18.88**	**Cum**

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yelahanka)
BBMP
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	10							
Item Name:	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For Fixing GYM Equipments							
			25	0.60	0.75	0.60	6.75
	Total Quantity					6.75	Cum
	Quantity Carried to Summary					6.75	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE								
Executive Engineer, Yelahanka Division								
Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.								
Measurement Sheet								
1st & Final Bill								
Name of Agency: Sri.H V Omkarappa								
Item No.	8							
Item Name:	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete ,complete							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:								
For GYM Area								
			1	30.00			30.00	
			1	14.00			14.00	
							44.00	
							98.00	
	Total Quantity						98.00	Nos
	Quanity Limit to						88.00	Nos
	Quantity Carried to Summary						88.00	Nos

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	13							
Item Name:	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For GYM Area							
	For Flooring	1	12.00	10.00		120.00	
	Total Quantity					**120.00**	**Sqm**
	Quantity Carried to Summary					**120.00**	**Sqm**

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(Dev. Wk. Zn.)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	15							

Item Name: Supply & fixing of Elliptical Cross Trainer All conducts must tested and certified to meet N16630 safely standards with GS test mark The EN16630 certificates. must be 1ssued by a reputed notified international Certifying Body such as IPEMA, TUV, CPSC, or SGS only. Tho GS mark-EN 16630 certificates must be in the name of a supplier who has earned out minium of 100 public park proiects in India with EN16630-GS certified products either by themselves or through their dealers or contrnctors. These EN16630 & GS Mork certificates must be clearly displayed on the notified certifiying bodies websites as online verification is mandatory dunng technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubuler steel of 2.5mm thickness are galvanrzed and zinc dipped Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder using AKZO nobel great wall powder.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
		1				1.00	
	Total Quantity					1.00	Each
	Quantity Carried to Summary					1.00	Each

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	17

Item Name: Supply & fixing of Seated Chest Press: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products ei1her by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certmcates . All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded.All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all 1he welding paints prior to finishing. All metal parts are powder using AKZO nobel great wall powder.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
			1			1.00	
	Total Quantity					1.00	Each
	Quantity Carried to Summary					1.00	Each

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	18						

Item Name: Supply & fixing of Self Weighted Rower: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products ei1her by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certmcates . All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded.All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all 1he welding paints prior to finishing. All metal parts are powder using AKZO nobel great wall powder.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
		1				1.00	
	Total Quantity					1.00	Each
	Quantity Carried to Summary					1.00	Each

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP/BBMPZn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	30							
Item Name:	Supply and fixing of Children Play Equipment Fiero A Swing Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114rnm OD and 2.2mm wall thickness of the tubing. Plastic Components such as swing seats super thick plastic} shall be animated and shalt be ratationally molded frorn antistatic copolymer virgin linear low density UV stabilized polyethylene with color molded in and minimum thickness of 6 - 8mm The rates are to be inclusive of supply and installaion at site Inclusive of All Taxes and Transportation Charges. Data approved rate.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
			1			1.00	
	Total Quantity					1.00	Each
	Quantity Carried to Summary					1.00	Each

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing Sreet Name Board, Fabrication Shed for boating flatform and construction of Rangamandhira at Venkatala Governament School in Ward No.01 of Yelahanaka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.H V Omkarappa

Item No.	32							
Item Name:	Supply and fixing of childern Play Equipment Two seater see saw The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm The rates are to be inclusive of supply and in1staJlation at site. Inclusive of All Taxes and Transportation Charges Data Approved Rate							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
			2			2.00	
	Total Quantity					2.00	Each
	Quantity Carried to Summary					2.00	Each

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP